

Work Order ID 129327

129327

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Tuesday, February 03, 2015 1:20:04 PM

Item ID: D4576-042 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Horizontal Linkage Assembly, RH
 Start Date: 2/3/2015 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 2/3/2015 Req'd Qty: 1.00 ***1*** Customer:
 Reference: REWORK PER DRAWING REVC

Approvals: Process Plan: WMP Date: 15-2-3 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4576	C								
200		0.00							
2000									
Large Fab	Memo	0.00							
Large Fab	REWORK PER DRAWING								
210	QC9- Inspect visual per QSI004- Fusion Welds	0.00							
210									
QC	Memo	0.00							
Quality Control									
220	QC5- Inspect part completeness to step on W/O	0.00							
220									
QC	Memo	0.00							
Quality Control									

1 62 15-2-3
PTO →

2 15-02-03 DAS
9
9-89

2 15-02-03 DAS
9
9-89

PQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: <u>129327</u> Part No. <u>D4576-042</u> NCR No. _____	DISPOSITION Rework ☒ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; font-size: small;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☒</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☒	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☒	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	15-02-03	220	1	During installation of D4576-042. Operator was not able to install rivet in top hole of D4576-046 R.C. jig bars made but never last fitted on a RH door		• remove D3589-23 on D4576-1 and D4576-10 • Cut off 1 D3589-13 • weld as per dwg install D3589-23 B114330 1x D3589-13 B113171 * Make sure top hole in D4576-046 clears D3589-1 for installation of rivet *	EZ	DAS 36 9-89 15/02/09	DAS 9 9-89 15-02-03
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
230	Identify as per dwg & Stock Location: <i>Small fab</i>	0.00							
230									
Packaging	Memo	0.00			DAS 30 9-89	/			15/01/03
Packaging									
240	QC21- Final Inspection - Work Order Release	0.00							
240									
QC	Memo	0.00							
Quality Control									

AA 15.2-10

Picklist Print

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Work Order ID: 129327

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Parent Item: D4576-042

D4576-042

Parent Item Name: Horizontal Linkage Assembly, RH

Start Date: 2/3/2015

Required Date: 2/3/2015

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.10.15 as per dwg rev.C DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4576-042		Manufactured	No				Each	0.0000		1			
D4576-042									**				
Horizontal Linkage Assembly, RH													

113994 mfc

15-2-3

D3589-23

B114880

x 2

EL 15-2-3

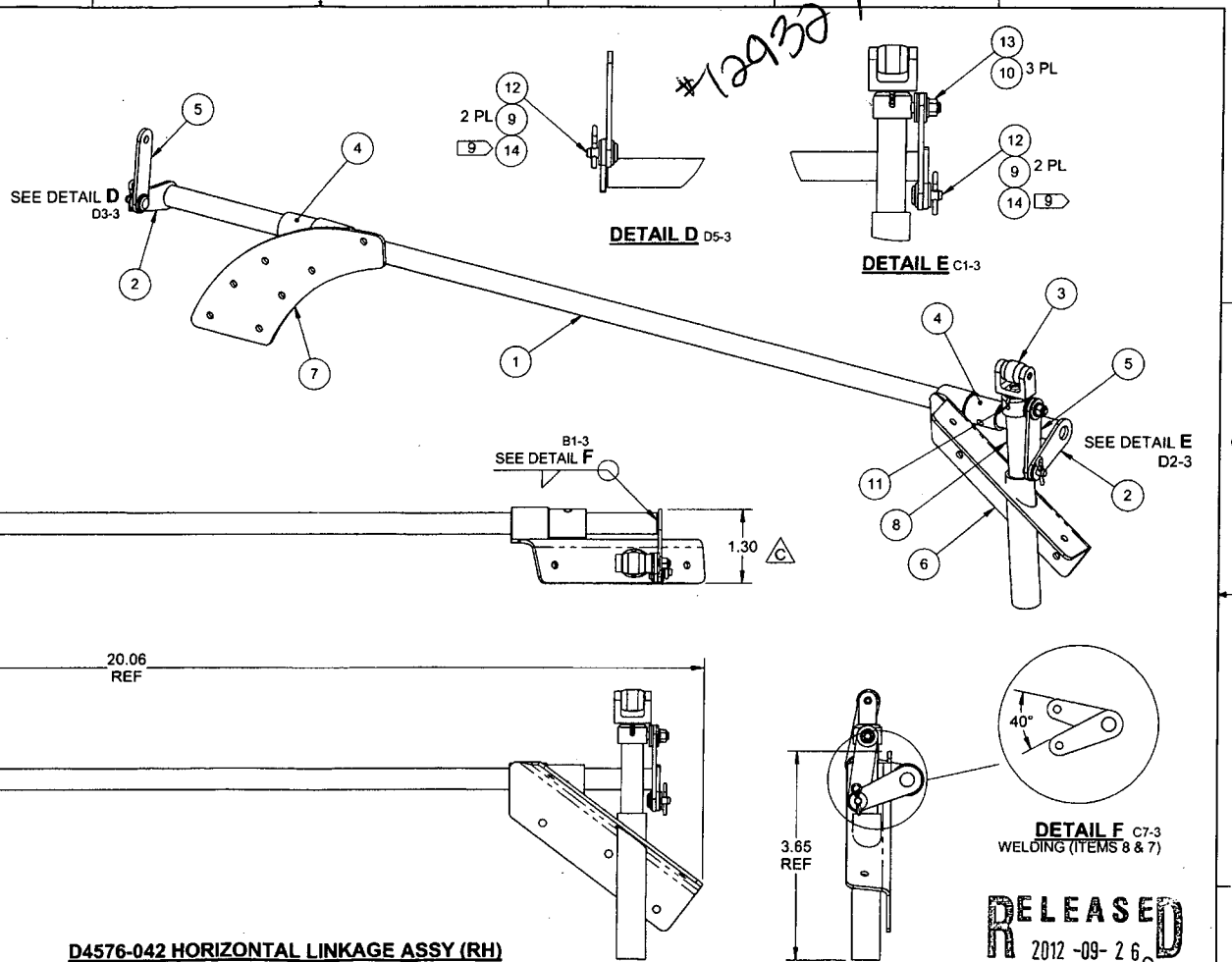
D3589-13

B113171

x 1

EL 15-2-3

ITEM	QTY -042	P/N	DESCRIPTION
	X	D4576-042	HORIZONTAL LINKAGE ASSY (RH)
1	1	D3589-1	ARM
2	2	D3589-13	LUG
3	1	D4530-041	LATCH ROLLER
4	2	D4576-3	STOP COLLAR
5	2	D4576-11	LINK
6	1	D4576-044	FORWARD PLATE WELDMENT (RH)
7	1	D4576-046	AFT PLATE WELDMENT (RH)
8	1	D4576-047	ROLLER SHAFT WELDMENT
9	4	AN960JD4	WASHER, #4
10	3	AN960JD6	WASHER, #6
11	1	MS16562-193	SPRING PIN
12	2	MS20392-1C7	PIN
13	1	MS21043-06	HEX NUT, SELF LOCKING, #6
14	2	MS24665-1010	COTTER PIN



NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.1
- 7) WEIGHT: 0.9 lbs
- 8) WELDING: PER DART QSI 004
- 9) INSTALL COTTER PIN IN ACCORDANCE WITH MS33540

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AP	DRAWING NO.	REV. C
MFG. APPR.	<i>[Signature]</i>	D4576	SHEET 3 OF 12
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	HORIZONTAL LINKAGE ASSY	NTS
DATE	12.09.11	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	